Ethan Davis

Mathematics Task 2
Ontario

Estimate the area of Ontario using the map scale. Show your work and explain how you made your estimate. (You can draw over the map if it helps with your estimation.)

$A = (300 + 300 + 100)(300 + 300 + 300 + 100)$

$A = 700000\ km^2$

$B = (300 + 100)(300 + 300)$

$B = 240000\ km^2$

$Ontario = A + B$

$Ontario = 700000 + 240000$

$Ontario = 7240000\ km^2$

∴ Ontario's area is approximately 7,240,000 km^2 in size.

Mathematics Task 2 – Student Samples

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T_1

$A = \frac{bh}{2}$

$= \frac{400(600)}{2}$

$= 120000 km^2$

T_2

$A = \frac{bh}{2}$

$= \frac{700(600)}{2}$

$= 210000 km^2$

T_3

$A = \frac{bh}{2}$

$= 900(300)$

$= 135000 km^2$

R_1

$A = lw$

$= 900(700)$

$= 630000 km^2$

Total Area

$T_1 + T_2 + T_3 + R_1 = TA$

$120000 + 210000 + 135000 + 630000 = 1095000 km^2$

∴ the total area of Ontario is $1095000 km^2$

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Estimate the area of Ontario using the map scale. Show your work and explain how you made your estimate. (You can draw over the map if it helps with your estimation.)

I estimate the area of Ontario is about 12000 km².

Mathematics Task 2 – Student Samples

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Estimate the area of Ontario using the map scale. Show your work and explain how you made your estimate. (You can draw over the map if it helps with your estimation.)

A = 600 Km + 300Km + 200Km + 300Km +
+ 300Km + 300Km + 100 Km + 50Km + 50Km +
50Km + 10Km + 300km + 250Km + 10Km +
300Km + 50Km + 400Km + 600Km +
400Km + 400Km.

= 4360 Km²

∴ The area of ontario is approximately 4360 Km².

Mathematics Task 2
Ontario

Estimate the area of Ontario using the map scale. Show your work and explain how you made your estimate. (You can draw over the map if it helps with your estimation.)

• 5cm = 100km

9cm = 1800 km

∴ there is approximally 1800 in Ontario

Mathematics Task 2
Ontario

Estimate the area of Ontario using the map scale. Show your work and explain how you made your estimate. (You can draw over the map if it helps with your estimation.)

W=625
L=1200
A=L×W
=750000km² let L rep length
∴ The area of Ontario ≈ 750000km² let W rep width

I made my estimate by measuring the length and width of Ontario using the map scale. Then I plugged it into the Area equation; L×W. Which gave me an answer of 750 000km²